Comparisons of Job Characteristics

Focus Occupation: Motorcycle Mechanics (49-3052)
Associated Occupation: Bicycle Repairers (49-3091)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Motorcycle Mechanics (49-3052)
Associated Occupation: Bicycle Repairers (49-3091)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	17.6	19.3	0	Current knowledge level may be sufficient
Engineering and Technology	5.7	10.5	8.6	<	Expanded education and/or training may be required
Design	5.2	8.8	12.9	>>	Current knowledge level is likely more than sufficient
Sales and Marketing	5.2	8.3	6.2	<<	Extensive education and/or training may be required
Building and Construction	4.0	7.4	4.4	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Motorcycle Mechanics (49-3052)
Associated Occupation: Bicycle Repairers (49-3091)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Repairing	3.4	12.6	13.3	0	Current skill level may be sufficient
Equipment Maintenance	3.5	10.8	8.7	<	A higher skill level may be required
Troubleshooting	4.5	10.1	11.2	>	Skill level is likely sufficient
Quality Control Analysis	5.9	10.0	8.7	<	A higher skill level may be required
Equipment Selection	3.3	8.8	6.0	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities	Similarity of Focus Occupation to Associated Occupation: 80

Focus Occupation: Motorcycle Mechanics (49-3052)
Associated Occupation: Bicycle Repairers (49-3091)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Visualization	7.5	12.5	9.3	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	12.0	12.3	0	Current ability level may be sufficient
Finger Dexterity	7.6	11.6	10.8	0	Current ability level may be sufficient
Oral Comprehension	12.5	10.7	11.8	>	Current ability level is likely sufficient
Arm-Hand Steadiness	6.8	10.6	11.6	0	Current ability level may be sufficient
Information Ordering	9.9	10.3	9.5	0	Current ability level may be sufficient
Speech Recognition	9.9	10.0	8.0	<	Some improvement in abilities may be required
Near Vision	11.1	9.9	11.2	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: Motorcycle Mechanics (49-3052)
Associated Occupation: Bicycle Repairers (49-3091)

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Adjust or set mechanical controls or components	69
Align or adjust clearances of mechanical components or parts	72
Align or adjust clearances of vehicle body parts or components	78
Determine installation, service, or repair needed	58
Estimate time or cost for installation, repair, or construction projects	54
Fabricate, assemble, or disassemble manufactured products by hand	11
Identify properties of metals for repair or fabrication activities	71
Maintain repair records	65
Move or fit heavy objects	8
Perform safety inspections in industrial, manufacturing or repair setting	32
Read schematics	34
Read specifications	23
Read technical drawings	7
Read work order, instructions, formulas, or processing charts	9

Repair or replace malfunctioning or worn mechanical components	62
Test mechanical products or equipment	56
Understand service or repair manuals	40
Understand technical operating, service or repair manuals	6
Use acetylene welding/cutting torch	54
Use arc welding equipment	62
Use hand or power tools	2
Use knowledge of metric system	39
Use knowledge of welding filler rod types	75
Use oral or written communication techniques	1
Weld together metal parts, components, or structures	54

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Motorcycle Mechanics (49-3052)
Associated Occupation: Bicycle Repairers (49-3091)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.